



Model Number

LLE 18/30-2,3-3,0-Z1 M.BÜND.O.

Glass fiber optic - thru-beam with metal/silicon covering and bundled lens

Series

Fiber optic amplifiers

Device series GLV30

Description

Attention:

Fiber optics must not be twisted or kinked. Excessive tensile loads will lead to destruction. Contact with petrol or organic solvents must be prevented.



Technical data

General specifications

| | | |
|-----------------------|---|---|
| Detection range | | 200 mm |
| Fiber optic length | l | 3000 mm |
| Fiber optic diameter | d | 5.9 mm |
| Adapter form | | 18/30 |
| End piece | | Cylindrical and bundled lens |
| Bending radius | | min. 22 mm |
| Fiber bundle diameter | | 2.3 mm optical face: 4.2 mm ² |
| Angle of divergence | | approx. 68 ° |

Ambient conditions

| | | |
|---------------------|--|--|
| Ambient temperature | | -20 ... 85 °C (-4 ... 185 °F) [Adapter] -40 ... 180 °C (-40 ... 356 °F) [End head and Covering] |
| Storage temperature | | -20 ... 85 °C (-4 ... 185 °F) |

Mechanical specifications

| | | |
|----------------------|--|-----------------------------------|
| Degree of protection | | IP65 |
| Material | | |
| Optical face | | glass |
| Sheathing | | Metal-silicon |
| Core | | Glass fiber |
| End piece | | Stainless steel 1.4305 / AISI 303 |
| Adapter | | Polyamide PA 6.6 |
| Extraction force | | at probe at 20°C: 120 N |

Dimensions

